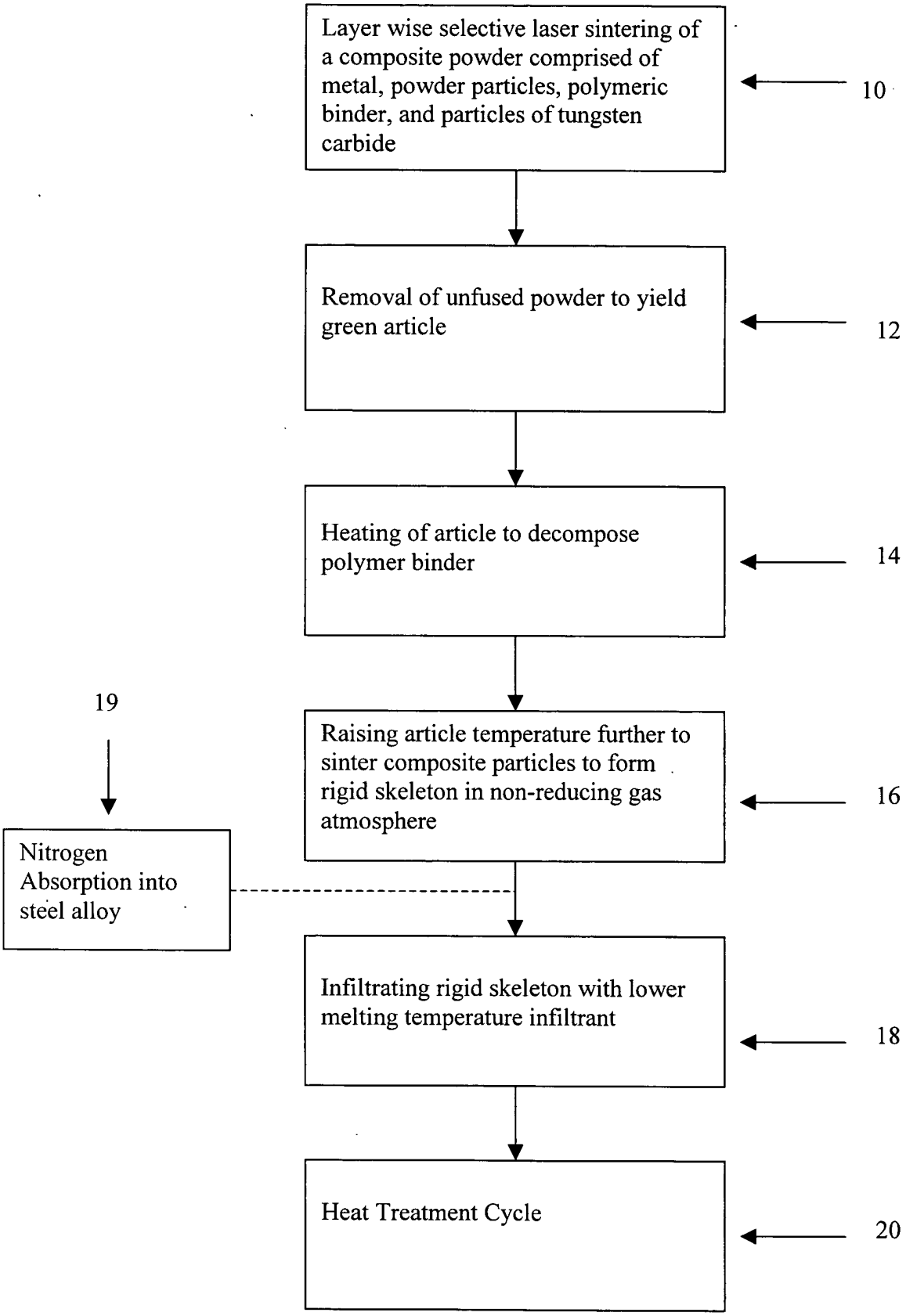
Layer wise selective laser sintering of a composite powder comprised of metal, powder particles, polymeric binder, and particles of tungsten carbide
10
Removal of unfused powder to yield green article
12
Heating of article to decompose polymer binder
14
19
Raising article temperature further to sinter composite particles to form rigid skeleton in non-reducing gas atmosphere
16
Nitrogen Absorption into steel alloy
Infiltrating rigid skeleton with lower melting temperature infiltrant
18
Heat Treatment Cycle
20

Fig. 1